

**The Great Grid Upgrade**

North Humber to High Marnham

# Preliminary Environmental Information Report

Volume 3: Appendix 4.2 Indicative Pylon Schedules

February 2025



nationalgrid

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# 1. Appendix 4.2 Indicative Pylon Schedules

## 1.1 Proposed 4AF Overhead Line Indicative Pylon Schedule

Table 1.1 – 4AF indicative pylon schedule

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
<b>Route Section 1</b>				
4AF1	New	Gantry	12.5	N/A
4AF2	New	Gantry	12.5	N/A
4AF3	New	Terminal	52.0	15.92
4AF4	New	Suspension	53.6	11.93
4AF5	New	Tension	51.5	16.57
4AF6	New	Suspension	50.6	10.90
4AF7	New	Suspension	50.6	10.90
4AF8	New	Suspension	53.6	11.93
4AF9	New	Tension	51.9	13.82
4AF10	New	Suspension	56.6	12.96
4AF11	New	Suspension	56.6	12.96
4AF12	New	Tension	48.5	14.83
<b>Route Section 2</b>				
4AF13	New	Suspension	50.6	10.9
4AF14	New	Suspension	53.6	11.93
4AF15	New	Suspension	59.6	13.99
4AF16	New	Tension	57.9	15.72
4AF17	New	Suspension	50.6	10.90
4AF18	New	Suspension	50.6	10.90
4AF19	New	Tension	48.9	12.12
4AF20	New	Suspension	56.6	12.96
4AF21	New	Suspension	50.6	10.90

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF22	New	Suspension	50.6	10.90
4AF23	New	Suspension	56.6	12.96
4AF24	New	Tension	54.5	18.31
4AF25	New	Suspension	53.6	11.93
4AF26	New	Tension	51.5	16.57
4AF27	New	Suspension	50.6	10.90
4AF28	New	Suspension	59.6	13.99
4AF29	New	Suspension	59.6	13.99
4AF30	New	Tension	54.5	18.31
4AF31	New	Suspension	53.6	11.93
4AF32	New	Suspension	65.6	16.05
4AF33	New	Tension	54.5	18.31
4AF34	New	Suspension	50.6	10.90
4AF35	New	Suspension	50.6	10.90
4AF36	New	Tension	48.5	14.83
4AF37	Existing	Tension	56.4	14.59
4AF38	Existing	Suspension	46.1	8.27
4AF39	Existing	Suspension	55.3	10.26
4AF40	Existing	Suspension	52.2	10.01

### Route Section 3

4AF41	Existing	Suspension	55.3	10.26
4AF42	Existing	Tension	50.5	12.80
4AF43	Existing	Suspension	52.2	10.01
4AF44	Existing	Suspension	46.1	8.27
4AF45	Existing	Suspension	49.2	9.14
4AF46	Existing	Suspension	52.2	10.01
4AF47	Existing	Suspension	52.2	10.01
4AF48	New	Tension	48.5	14.83
4AF49	New	Suspension	56.6	12.96

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF50	New	Suspension	53.6	11.93
4AF51	New	Suspension	53.6	11.93
4AF52	New	Tension	51.5	16.57
4AF53	New	Suspension	53.6	11.93
4AF54	New	Suspension	53.6	11.93
4AF55	New	Suspension	53.6	11.93
4AF56	New	Suspension	56.6	12.96
4AF57	New	Suspension	68.6	17.08
4AF58	New	Tension	60.5	21.79
4AF59	New	Suspension	56.6	12.96
4AF60	New	Tension	54.5	18.31
4AF61	New	Suspension	59.6	13.99
4AF62	New	Tension	60.5	21.79
4AF63	New	Suspension	62.6	15.02
4AF64	New	Suspension	56.6	12.96
4AF65	New	Suspension	62.6	15.02
4AF66	New	Suspension	59.6	13.99
4AF67	New	Tension	54.5	18.31
4AF68	New	Suspension	56.6	12.96
4AF69	New	Suspension	53.6	11.93
4AF70	New	Suspension	56.6	12.96
4AF71	New	Tension	51.5	16.57
4AF72	New	Suspension	53.6	11.93
4AF73	New	Tension	57.5	20.05
4AF74	New	Suspension	56.6	12.96
4AF75	New	Suspension	50.6	10.90
4AF76	New	Tension	48.5	14.83
<b>Section 4</b>				
4AF77	New	Suspension	128.6	37.68

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF78	New	Suspension	128.6	37.68
4AF79	New	Tension	60.5	21.79
4AF80	New	Tension	51.9	13.82
4AF81	New	Suspension	53.6	11.93
4AF82	New	Suspension	53.6	11.93
4AF83	New	Suspension	56.6	12.96
<b>Route Section 5</b>				
4AF84	New	Tension	54.5	18.31
4AF85	New	Suspension	56.6	12.96
4AF86	New	Suspension	53.6	11.93
4AF87	New	Tension	51.5	16.57
4AF88	New	Suspension	53.6	11.93
4AF89	New	Suspension	56.6	12.96
4AF90	New	Suspension	56.6	12.96
4AF91	New	Suspension	50.6	10.90
4AF92	New	Tension	48.5	14.83
4AF93	New	Suspension	50.6	10.90
4AF94	New	Suspension	56.6	12.96
4AF95	New	Suspension	53.6	11.93
4AF96	New	Suspension	56.6	12.96
4AF97	New	Suspension	56.6	12.96
4AF98	New	Tension	51.5	16.57
<b>Route Section 6</b>				
4AF99	New	Suspension	59.6	13.99
4AF100	New	Tension	45.9	10.82
4AF101	New	Suspension	50.6	10.90
4AF102	New	Suspension	50.6	10.90
4AF103	New	Suspension	50.6	10.90
4AF104	New	Tension	48.5	14.83

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF105	New	Suspension	59.6	13.99
4AF106	New	Suspension	59.6	13.99
4AF107	New	Suspension	56.6	12.96
4AF108	New	Suspension	59.6	13.99
4AF109	New	Tension	60.5	21.79
4AF110	New	Suspension	53.6	11.93
4AF111	New	Suspension	53.6	11.93
4AF112	New	Suspension	53.6	11.93
4AF113	New	Suspension	53.6	11.93
4AF114	New	Tension	52.0	15.92
4AF115	New	Suspension	50.6	10.90
4AF116	New	Suspension	50.6	10.90
4AF117	New	Suspension	50.6	10.90
4AF118	New	Suspension	59.6	13.99
4AF119	New	Suspension	62.6	15.02
4AF120	New	Tension	60.5	21.79
4AF121	New	Suspension	62.6	15.02
4AF122	New	Suspension	56.6	12.96
4AF123	New	Suspension	59.6	13.99
4AF124	New	Tension	57.5	20.05
4AF125	New	Suspension	59.6	13.99
4AF126	New	Suspension	59.6	13.99
4AF127	New	Suspension	59.6	13.99
4AF128	New	Tension	48.9	12.12
4AF129	New	Suspension	56.6	12.96
4AF130	New	Suspension	56.6	12.96
4AF131	New	Suspension	56.6	12.96
4AF132	New	Tension	48.5	14.83
4AF133	New	Suspension	62.2	15.02



<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
<b>Route Section 7</b>				
4AF134	New	Suspension	62.6	15.02
4AF135	New	Suspension	59.6	13.99
4AF136	New	Suspension	56.6	12.96
4AF137	New	Tension	54.5	18.31
4AF138	New	Suspension	59.6	13.99
4AF139	New	Suspension	56.6	12.96
4AF140	New	Suspension	50.6	10.90
4AF141	New	Suspension	50.6	10.90
4AF142	New	Tension	51.5	16.57
4AF143	New	Suspension	50.6	10.90
4AF144	New	Suspension	59.6	13.99
4AF145	New	Suspension	59.6	13.99
4AF146	New	Suspension	56.6	12.96
4AF147	New	Tension	60.5	21.79
4AF148	New	Suspension	59.6	13.99
4AF149	New	Suspension	53.6	11.93
4AF150	New	Suspension	56.6	12.96
4AF151	New	Suspension	62.6	15.02
4AF152	New	Tension	60.5	21.79
4AF153	New	Suspension	62.6	15.02
4AF154	New	Tension	54.5	18.31
4AF155	New	Suspension	53.6	11.93
4AF156	New	Tension	54.5	18.31
4AF157	New	Suspension	50.6	10.90
4AF158	New	Suspension	56.6	12.96
4AF159	New	Suspension	59.6	13.99
4AF160	New	Tension	51.5	16.57
4AF161	New	Suspension	53.6	11.93

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF162	New	Suspension	56.6	12.96
4AF163	New	Tension	57.9	15.72
<b>Route Section 8</b>				
4AF164	New	Suspension	56.6	12.96
4AF165	New	Suspension	60.6	10.90
4AF166	New	Suspension	50.6	10.90
4AF167	New	Suspension	56.6	12.96
4AF168	New	Tension	54.5	18.31
4AF169	New	Suspension	59.6	13.99
4AF170	New	Suspension	56.6	12.96
4AF171	New	Suspension	53.6	11.93
4AF172	New	Suspension	57.9	15.72
4AF173	New	Suspension	68.6	17.08
4AF174	New	Suspension	56.6	12.96
4AF175	New	Suspension	59.6	13.99
4AF176	New	Suspension	56.6	12.96
4AF177	New	Tension	51.5	16.57
4AF178	New	Suspension	56.6	12.96
4AF179	New	Suspension	50.6	10.90
4AF180	New	Suspension	50.6	10.90
4AF181	New	Suspension	53.6	11.93
4AF182	New	Suspension	53.6	11.93
4AF183	New	Tension	45.9	10.82
4AF184	New	Suspension	50.6	10.90
4AF185	New	Suspension	59.6	13.99
<b>Route Section 9</b>				
4AF186	New	Suspension	62.6	15.02
4AF187	New	Tension	54.5	18.31
4AF188	New	Suspension	62.6	15.02

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF189	New	Suspension	53.6	11.93
4AF190	New	Suspension	50.6	10.90
4AF191	New	Tension	48.5	14.83
4AF192	New	Suspension	62.6	15.02
4AF193	New	Suspension	62.6	15.02
4AF194	New	Suspension	53.6	11.93
4AF195	New	Suspension	56.6	12.96
4AF196	New	Tension	54.5	18.31
4AF197	New	Suspension	50.6	10.90
4AF198	New	Suspension	50.6	10.90
4AF199	New	Suspension	53.6	11.93
4AF200	New	Suspension	56.6	12.96
4AF201	New	Tension	51.5	16.57
4AF202	New	Suspension	53.6	11.93
<b>Route Section 10</b>				
4AF203	New	Suspension	56.6	12.96
4AF204	New	Tension	51.5	16.57
4AF205	New	Suspension	50.6	10.90
4AF206	New	Suspension	50.6	10.90
4AF207	New	Suspension	50.6	10.90
4AF208	New	Suspension	53.6	11.93
4AF209	New	Suspension	53.6	11.93
4AF210	New	Tension	55.0	17.38
4AF211	New	Suspension	59.6	13.99
4AF212	New	Suspension	53.6	11.93
4AF213	New	Suspension	50.6	10.90
4AF214	New	Suspension	50.6	10.90
4AF215	New	Suspension	56.6	12.96
4AF216	New	Tension	54.5	18.31

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF217	New	Suspension	50.6	10.90
4AF218	New	Suspension	53.6	11.93
4AF219	New	Suspension	53.6	11.93
4AF220	New	Suspension	50.6	10.90
4AF221	New	Tension	52.0	15.92
4AF222	New	Suspension	56.6	12.96
4AF223	New	Suspension	16.6	12.96
4AF224	New	Suspension	56.6	12.96
4AF225	New	Tension	54.9	14.52
4AF226	New	Suspension	59.6	13.99
4AF227	New	Suspension	50.6	10.90
4AF228	New	Suspension	50.6	10.90
4AF229	New	Tension	57.5	20.05
4AF230	New	Suspension	56.6	12.96
4AF231	New	Suspension	53.6	11.93
4AF232	New	Suspension	59.6	13.99
4AF233	New	Suspension	59.6	13.99
4AF234	New	Tension	60.5	21.79
4AF235	New	Suspension	56.6	12.96
4AF236	New	Suspension	56.6	12.96
4AF237	New	Suspension	56.6	12.96
4AF238	New	Tension	51.5	16.57
4AF239	New	Suspension	53.6	11.93
4AF240	New	Suspension	50.6	10.90
4AF241	New	Suspension	53.6	11.93
4AF242	New	Suspension	56.6	12.96
4AF243	New	Tension	45.9	10.82
4AF244	New	Suspension	56.6	12.96
4AF245	New	Suspension	56.6	12.96

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4AF246	New	Suspension	53.6	11.93
4AF247	New	Suspension	50.6	10.90
4AF248	New	Tension	54.9	14.52
4AF249	New	Suspension	56.6	12.96
4AF250	New	Suspension	50.6	10.90
4AF251	New	Tension	48.5	14.83
4AF252	New	Suspension	50.6	10.90
4AF253	New	Suspension	50.6	10.90
4AF254	New	Suspension	50.6	10.90
4AF255	New	Tension	54.5	18.31
4AF256	New	Suspension	56.6	12.96
<b>Route Section 10</b>				
4AF257	New	Suspension	53.6	11.93
4AF258	New	Tension	54.9	14.52
4AF259	New	Suspension	59.6	13.99
4AF260	New	Tension	49.0	14.46
4AF261	New	Gantry	12.5	N/A
4AF262	New	Gantry	12.5	N/A

## 1.2 4ZQ Overhead Line Indicative Pylon Schedule

Table 1.2 – 4ZQ indicative pylon schedule

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
<b>Route Section 2</b>				
4ZQ84	Existing	Tension	47.3	11.0
4ZQ83	Existing	Suspension	46.1	8.3
4ZQ82	Existing	Suspension	49.2	9.1
4ZQ81	Existing	Suspension	49.2	9.1
4ZQ80	Existing	Tension	44.2	9.8

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
4ZQ79	Existing	Suspension	64.4	13.5
4ZB79B	New	Tension	51.5	11.9
4ZQ78	New	Suspension	53.6	11.9
4ZQ77	New	Suspension	50.6	10.9
4ZQ76	New	Suspension	62.6	15.0
4ZQ75	New	Suspension	65.6	16.1
<b>Route Section 3</b>				
4ZQ74	New	Suspension	62.6	15.0
4ZQ73	New	Tension	57.9	15.7
4ZQ72	New	Suspension	56.6	13.0
4ZQ71	New	Suspension	56.6	13.0
4ZQ70	New	Tension	54.5	18.3
4ZQ69	New	Suspension	56.6	13.0
4ZQ68	New	Suspension	53.6	11.9
4ZQ67	New	Suspension	50.6	10.9
4ZQ66	New	Suspension	50.6	10.9
4ZQ65	New	Tension	54.5	18.3
4ZQ64	New	Suspension	56.6	13.0
4ZQ63	Existing	Tension	47.9	11.0
4ZQ62	Existing	Suspension	55.3	10.3
4ZQ61	Existing	Suspension	52.2	10.0
4ZQ60	Existing	Suspension	49.2	9.1
4ZQ59	Existing	Suspension	46.1	8.3
4ZQ58	Existing	Suspension	52.2	10.0
4ZQ57	Existing	Tension	47.3	11.0

### 1.3 ZDA Overhead Line Indicative Pylon Schedule

Table 1.3 – ZDA indicative pylon schedule

<b>Pylon number</b>	<b>New/ existing</b>	<b>Indicative pylon type</b>	<b>Indicative pylon height (m)</b>	<b>Indicative pylon base width (m<sup>2</sup>)</b>
Route Section 6				
ZDA113	Existing	Tension	41.9	9.6
ZDA114	Existing	Suspension	41.7	7.5
ZDA115	Existing	Suspension	41.7	7.5
ZDA116	Existing	Suspension	41.9	9.6
ZDA117	Existing	Tension	41.7	7.5
ZDA118	Existing	Suspension	41.7	7.5
ZDA119A	New	Tension	48.2	12.2
ZDA119B	New	Tension	18.5	N/A
ZDA119C	New	Tension	18.5	N/A
ZDA120A	New	Tension	18.5	N/A
ZDA120B	New	Tension	18.5	N/A
ZDA120C	New	Tension	48.2	12.2
ZDA121	Existing	Suspension	46.5	8.8
ZDA122	Existing	Suspension	41.7	7.5
ZDA123	Existing	Tension	41.9	9.6
ZDA124	Existing	Suspension	47.8	9.1
ZDA125	Existing	Suspension	44.1	8.1
ZDA126	Existing	Suspension	46.5	8.8
ZDA127	Existing	Tension	34.5	7.1
ZDA127A	Existing	Suspension	44.1	12.6

National Grid plc  
National Grid House,  
Warwick Technology Park,  
Gallows Hill, Warwick.  
CV34 6DA United Kingdom

Registered in England and Wales  
No. 4031152  
[nationalgrid.com](http://nationalgrid.com)